PROJECT NO.	PROJECT NAME	2007	2008	2009	2010	2011	TOTAL
SW0603	Distribution System Upgrades		338,000	320,000	414,000		1,072,000
SW0701	Non-Potable Water Opportunities	600,000	500,000				1,100,000
SW0801	Surface Water Conversion Transmission Line		350,000		750,000	7,750,000	8,850,000
SW0802	Surface Water Treatment Plant		1,275,000	2,250,000		22,900,000	26,425,000
	Water Plant Upgrades for Surface Water						
SW0901	Conversion			60,000	195,000	1,750,000	2,005,000
	TOTAL	\$600,000	\$2,463,000	\$2,630,000	\$1,359,000	\$32,400,000	\$39,452,000

SOURCE OF FUNDS-SURFACE WATER	2007	2008	2009	2010	2011	TOTAL
General Revenue						
Revenue Bonds		1,275,000	2,250,000		30,650,000	34,175,000
SLDC						
SL4B						
Airport Revenues						
System Revenues	600,000	1,188,000	380,000	1,359,000	1,750,000	5,277,000
Connection Fees						
Other Funding Sources						
Unfunded						
TOTAL	\$600,000	\$2,463,000	\$2,630,000	\$1,359,000	\$32,400,000	\$39,452,000

CITY OF SUGAR LAND 2007 - 2011 CAPITAL IMPROVEMENT PROGRAM SUMMARY BY FUNDING SOURCES - SURFACE WATER

PROJECT NAME	2007	2008	2009	2010	2011	TOTAL
Surface Water Treatment Plant		1,275,000	2,250,000		22,900,000	26,425,000
Surface Water Conversion Transmission Line					7,750,000	7,750,000
TOTAL - REVENUE BONDS		\$1,275,000	\$2,250,000		\$30,650,000	\$34,175,000

PROJECT NAME	2007	2008	2009	2010	2011	TOTAL
Non-Potable Water Opportunities	600,000	500,000				1,100,000
Distribution System Upgrades		338,000	320,000	414,000		1,072,000
Surface Water Conversion Transmission Line		350,000		750,000		1,100,000
Water Plant Upgrades for Surface Water						
Conversion			60,000	195,000	1,750,000	2,005,000
TOTAL - SYSTEM REVENUES	\$600,000	\$1,188,000	\$380,000	\$1,359,000	\$1,750,000	\$5,277,000

PROJECT			
NO.	PROJECT NAME	PROJECT DESCRIPTION	JUSTIFICATION
SW0603	Distribution System Upgrades	City's participation for design and construction of multi-phased varying sized large diameter distribution trunk mains throughout the south and north water systems. City's participation includes cost of upsizing the proposed water mains to meet the City's Water Master Plan recommendations. Timing of all phased construction is developer driven.	proposed water line extensions will be required to maintain water system delivery hydraulics and system pressures if existing and future development
SW0701	Non-Potable Water Opportunities	Funding for the continued evaluation and possible construction of pump stations and transmission lines for non-potable uses.	•
SW0801	Surface Water Conversion Transmission Line	Construction of transmission lines from a future surface water treatment plant to Lakeview Water Plant and another water plant (to be determined) in preparation of surface water delivery for required conversion to surface water.	groundwater to surface water by 2013. In order to utilize available surface water capacity, the existing

PROJECT			
NO.	PROJECT NAME	PROJECT DESCRIPTION	JUSTIFICATION
SW0802	Surface Water Treatment Plant	Phase I Water Production supply conversion from ground water to surface water. Phase I will consist of construction of a 10 MGD surface water treatment plant on a approximately 20 acre site near Gannoway Lake. Ultimate plant capacity of 20 MGD will be required by 2025.	The City must convert 30% of water usage from groundwater to surface water by 2013 and to 60% of surface water by 2025. A recently completed surface water study has determined the most cost effective method of providing the surface water conversion is with a City owned and operated treatment plant.
SW0901	Water Plant Upgrades for Surface Water Conversion	Construction of water plant upgrades at Lakeview Water Plant and another water plant (to be determined) in preparation of surface water conversion, as take points for surface water delivery. Upgrades will include installation of a 1.5 MG GST at Lakeview Plant and upsizing of booster pump capacities and suction and distribution headers as needed.	The City must convert 30% of water usage from groundwater to surface water by 2013. In order to utilize available surface water capacity, the existing water plants nearest the source of the surface water should be converted to allow for use of this surface water source.

CITY OF SUGAR LAND

2007 - 2011 CAPITAL IMPROVEMENT PROGRAM SURFACE WATER

PROJECT NO.	PROJECT TITLE										
SW0603	Distribution Syste	em Upgrades									
DESCRIPTION							IMPACT ON	N OPERATING	BUDGET		
City's participation for design	and construction of multi-phased	d varying size	d large diamete	er distribution	Expenditures		2007	2008	2009	2010	2011
trunk mains throughout the so	uth and north water systems. City	's participation	ı includes cost o	of upsizing the							
proposed water mains to me	et the City's Water Master Plan	recommendat	ions. Timing	of all phased	Personnel Servi	ces					
construction is developer drive	n.				Operations & M	laintenance					
JUSTIFICATION					Capital						
Per the Water Master Plan reco	ommendations the proposed water	line extension	s will be require	ed to maintain							
water system delivery hydrau	ilics and system pressures if exis	ting and futur	e development	continues as							
projected. The upsizing will al	so accommodate future distributio	on of surface w	ater from the pr	oposed water	·						
plant take points.											
					TOTAL						
	Project		FISC	CAL YEAR PL				[^_	proximate	\neg	
PROJECT COSTS	Budget	BUDGET	<u> </u>	ESTIN	1ATED		Project	Alignmen	of Distributi	on III	W E
	To Date	2007	2008	2009	2010	2011	Total	System U	pgrades		de la companya della companya della companya de la companya della
Preliminary Engineering Repor	t							- 1	the EX		
Land/Right of Way								لسام			
Design/Surveying											- 1
Construction	116,610		338,000	320,000	414,000		1,188,610	-			- P
Equipment and Furniture								* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A June		1
Contingency								5 8	Plan	TIP	
TOTAL COSTS	\$116,610		\$338,000	\$320,000	\$414,000		\$1,188,610	42			Mark I
	Project		FISC	CAL YEAR PL	AN			1	Suga	r Land Water	
SOURCE OF FUNDS	Budget	BUDGET		ESTIN	1ATED		Project			ution Netwo	
	To Date	2007	2008	2009	2010	2011	Total		Sal y		DE SUBBE
General Revenue										200	
Revenue Bonds								a Le	5015	方面	
SLDC								6 -	A SON		
SL4B											
Airport Revenues											凝重線
System Revenues	116,610		338,000	320,000	414,000		1,188,610		The state of	5,000	
Connection Fees								. ('	基本	30	
Other Funding Sources								-	COTTO	I B G T D	
TOTAL SOURCE	\$116,610		\$338,000	\$320,000	\$414,000		\$1,188,610		Sec.		当了
PROJECT SCHEDULE	START (MT	H, YEAR)	FINISH (MT	ΓH, YEAR)	OTHER:				- Str	SEE.	143
Preliminary Engineering Repor	t							7 05			11
Land/Right of Way									✓ \ <u> </u>	City of Su Capital Improve	igar Land ment Program
Design/Surveying					ĺ			67			
Construction	TBD				ĺ			City Goal:			
Equipment and Furniture					1			Reference:		Wa	ter Master Plan
Contingency					1			Project Manage	er:	(had Nesvadba
TOTAL PROJECT											

PROJECT NO.	PROJECT TITLE											
SW0701	Non	-Potable Wa	ter Opportunities	5								
DESCRIPTION								IMPACT ON	OPERATING	BUDGET		
Funding for the continue	d evaluation and possible	construction	n of pump station	ns and transmi	ssion lines fo	r Expenditures		2007	2008	2009	2010	2011
non-potable uses.												
						Personnel Serv	vices					
						Operations & I	Maintenance					
JUSTIFICATION						Capital						
	by Telfair will provide the											
	urface water plan by allow set costs by marketing the in infrastructure.					t						
			_			TOTAL						
		Project		FISC	CAL YEAR P							
PROJECT COSTS		Budget	BUDGET			MATED		Project				
		To Date	2007	2008	2009	2010	2011	Total				
Preliminary Engineering I	Report											
Land/Right of Way									LOCAT	TON TO B	E DETERM	IINED
Design/Surveying									1			
Construction			600,000	500,000				1,100,000	1			
Equipment and Furniture												
Contingency									1			
TOTAL COSTS			\$600,000	\$500,000				\$1,100,000				
		Project	<u>'</u>	FISC	CAL YEAR P	LAN			1			
SOURCE OF FUNDS		Budget	BUDGET		ESTI	MATED		Project				
		To Date	2007	2008	2009	2010	2011	Total				
General Revenue									1			
CO's									1			
GO Bonds									1			
SLDC									1			
SL4B												
Airport Revenues									1			
System Revenues			600,000	500,000				1,100,000				
Connection Fees												
Other Funding Sources												
TOTAL SOURCE			\$600,000	\$500,000				\$1,100,000				
PROJECT SCHEDULE		START (M	TH, YEAR)	FINISH (M	ΓH, YEAR)	OTHER:						
Preliminary Engineering I	Report								1			
Land/Right of Way						1						
Design/Surveying												
Construction		Oct	:-06	200	08	1			City Goal:			Safe City
Equipment and Furniture						1			Reference:			
Contingency						1			Project Manag	er:	Ju	stin Bower
TOTAL PROJECT						1			Estimator:			

PROJECT NO.	PROJECT TITL	E										
SW0801		Surface Water Co	nversion Trans	mission Line								
DESCRIPTION								IMPACT ON	OPERATING	BUDGET		
Construction of transmission	lines from a future	e surface water t	reatment plant	to Lakeview W	ater Plant and	Expenditures		2007	2008	2009	2010	2011
another water plant (to be d	etermined) in prep	paration of surfac	e water delive	ry for required	conversion to	- D						
surface water.						Personnel Servic	es					
						Operations & Ma	aintenance					
JUSTIFICATION						Capital						
The City must convert 30%	of water usage from	m groundwater t	to surface water	r by 2013. In o	rder to utiliz	2						
available surface water capa	,	•										
converted to allow for use of		source and a tra	ansmission line	must be constr	ucted to bring	3						
the surface water to the plant	•										+	
						TOTAL						
		Project		FIS	SCAL YEAR I	PLAN					四里	700
PROJECT COSTS		Budget	BUDGET		EST	MATED		Project		1.H.F	學學	
		To Date	2007	2008	2009	2010	2011	Total	_/ >	0 (SH		7
Preliminary Engineering Rep	ort			100,000				100,000		HI THE	Woodchester	
Land/Right of Way				250,000				250,000	,		Plant	ຼ
Design/Surveying						750,000		750,000	3	RATE		LIP XXI
Construction							7,750,000	<i>7,7</i> 50,000				
Equipment and Furniture									Surface		90	
Contingency										THE WAY		
TOTAL COSTS				\$350,000		\$750,000	\$7,750,000	\$8,850,000		TIME	Lakeview Plant	And the Man
		Project		FIS	SCAL YEAR I	PLAN						ALL STATE
SOURCE OF FUNDS		Budget	BUDGET		EST	MATED		Project		MI I		
		To Date	2007	2008	2009	2010	2011	Total	1		Sugar Pla	Creek III
General Revenue										59		
Revenue Bonds							7,750,000	7,750,000	100	W		6
SLDC									到~~))		SS Plant No. 1	11000000000000000000000000000000000000
SL4B										S Plant No. 2		
Airport Revenues												
System Revenues				350,000		750,000		1,100,000	: (./	是多洲	190	公园
Connection Fees									⇒ .	/ Kony and		- LIE
Other Funding Sources									/A		Receive Sur	
TOTAL SOURCE				\$350,000		\$750,000	\$7,750,000	\$8,850,000	water		ent of Transr Determined	
PROJECT SCHEDULE		START (MT	. ,	FINISH (M	. ,	OTHER:			考える			11
Preliminary Engineering Rep	ort	200		200					S JAN 5	S Plant No. 3	20	
Land/Right of Way		200	-	200					/	:/	City of Su Capital Improve	ugar Land
Design/Surveying		201		203					1/	/ /1	/ 1	
Construction		201	1	203	12				City Goal:		Responsible Ci	7
Equipment and Furniture									Reference:		Wa	ter Master Plan
Contingency									Project Manag	ger:	(Chad Nesvadba
TOTAL PROJECT									Estimator:			Chad Nesvadba

PROJECT NO. P	ROJECT TITLE										
SW0802	Surface Water T	reatment Plant									
DESCRIPTION							IMPACT ON	OPERATING	BUDGET		
					Expenditures		2007	2008	2009	2010	2011
Phase I Water Production sup	ply conversion from ground	water to surface	e water. Phase I	will consist of	_						
construction of a 10 MGD surf					Personnel Serv	ices					
Lake. Ultimate plant capacity			,	_	Operations & N						
JUSTIFICATION					Capital						
The City must convert 30% or	f water usage from groundy	vater to surface	water by 2013	and to 60% of							
surface water by 2025. A rece											
method of providing the surface	ce water conversion is with a	City owned and	l operated treatm	ent plant.							
					TOTAL						
	Project		FIS	CAL YEAR PI							当
PROJECT COSTS	Budget	BUDGET		ESTIN	IATED		Project	- walk	四四四		e e
	To Date	2007	2008	2009	2010	2011	Total	- A A	影陶四	Woodcheste	The second
Preliminary Engineering Report	rt		150,000				150,000	SE IIII		Water Plant	1
Land/Right of Way			1,125,000				1,125,000	THE		1117	
Design/Surveying				2,250,000			2,250,000		AND THE		11/1
Construction						22,900,000	22,900,000	Gannov	way Lake		
Equipment and Furniture									Vater Plant	NA S	ugar Creek
Contingency									90		Vater Plant
TOTAL COSTS			\$1,275,000	\$2,250,000		\$22,900,000	\$26,425,000			akeview ater Plant	Nya Pil
	Project		FIS	CAL YEAR PI	LAN				2 (4)	7	4
SOURCE OF FUNDS	Budget	BUDGET		ESTIN	IATED		Project	Fire	t Colony		# Hlung
	To Date	2007	2008	2009	2010	2011	Total	Wat	ter Plant		四年早 日日日
General Revenue											
Revenue Bonds			1,275,000	2,250,000		22,900,000	26,425,000	100		P 2 6.6.	THE REAL PROPERTY.
SLDC									N/		
SL4B								直	9		
Airport Revenues								EX	The second	Austin Parkway	海軍 歐
System Revenues								13	7 520	Water Plant	
Connection Fees								. (1	斯想	D 30	5
Other Funding Sources								3).		T CI TIM	
TOTAL SOURCE			\$1,275,000	\$2,250,000		\$22,900,000	\$26,425,000	图图	The state of the s	Sweetwate Water Plan	
PROJECT SCHEDULE	START (M	TH, YEAR)	FINISH (MT		OTHER:			SE .	华大学	FOA	
Preliminary Engineering Repor			200					1	To the second		
Land/Right of Way	200		200					City	of Sugar Land Improvement Program		11
Design/Surveying	200		201					~/ "		f	
Construction	203	10	201	1				City Goal:		Responsible Ci	
Equipment and Furniture								Reference:		Wat	er Master Plan
Contingency								Project Manag	ger:		Justin Bowe
TOTAL PROJECT								Estimator:			Justin Bower

PROJECT NO.	PROJECT TITLE											
SW0901	W	ater Plant Upg	rades for Surfac	e Water Conve	ersion							
DESCRIPTION												
Construction of water pla	nt upgrades at Lakeviev	v Water Plant a	nd another wat	er plant (to be	determined) in	Expenditures		2007	2008	2009	2010	2011
preparation of surface w												
installation of a 1.5 MG	GST at Lakeview Plant	and upsizing	of booster pum	p capacities ar	nd suction and	Personnel Service	es					
distribution headers as ne	eded.					Operations & Ma	aintenance					
JUSTIFICATION						Capital						
The City must convert 30	% of water usage from	groundwater	to surface water	r by 2013. In o	order to utilize	-						
available surface water ca	apacity, the existing wat	ter plants neare	est the source o	f the surface w	ater should be							
converted to allow for use	of this surface water so	urce.										
						TOTAL						
	1	Duningt	Ī	EI	SCAL YEAR P						1 "4/	PIIAS
DDOIECT COCTE		Project	BUDGET	FI		MATED		Duningt			当點」	
PROJECT COSTS		Budget		• • • • • • • • • • • • • • • • • • • •			2011	Project		ETP .		를 * ② ♥*
		To Date	2007	2008	2009	2010	2011	Total	Woodches	ter Cal	Sales III	
Preliminary Engineering l	Report				60,000			60,000				
Land/Right of Way									-5			
Design/Surveying						195,000		195,000		A BENT		lant
Construction							1,750,000	1,750,000	11/1			10
Equipment and Furniture									2	90		
Contingency						4			1	316	8/A) VI	THE THE
TOTAL COSTS					\$60,000	\$195,000	\$1,750,000	\$2,005,000				無いる
		Project		FI	SCAL YEAR P						The F	
SOURCE OF FUNDS		Budget	BUDGET		ESTIN	MATED		Project	SS Plan	t No. 2	Sugar Creek Plant	
		To Date	2007	2008	2009	2010	2011	Total			- VI	
General Revenue									1 / C		人们	6
Revenue Bonds									12	Ass	Plant No. 1	TEXAS
SLDC									引 为5		17 A 11 38	
SL4B												
Airport Revenues										I BASE	S AND THE STATE OF	
System Revenues					60,000	195,000	1,750,000	2,005,000	. ~ \ [Surface Wa	ter Upgrade	s at
Connection Fees									-	Lakeview P	lant and oth	ner /
Other Funding Sources					#c0.0==	#40 = 000	фа нт о 225	do 00= 5==		ant Location	to be Deter	mined
TOTAL SOURCE			<u></u>		\$60,000	-	\$1,750,000	\$2,005,000		THERE	N COME	117
PROJECT SCHEDULE		START (MT		,	ITH, YEAR)	OTHER:			The state of the s	SS Plant No. 3	*	11
Preliminary Engineering l	Report	200	19	20	009						City of O	
Land/Right of Way									. X	-/ _	City of S Capital Impro	ugar Land rement Program
Design/Surveying		201			010				1/1	/ //	/ 1	
Construction		201	.1	20)11				City Goal:		Well Plan	ned Community
Equipment and Furniture	!								Reference:			WA0501
Contingency									Project Manag	ger:		Chad Nesvadba
TOTAL PROJECT									Estimator:			Chad Nesvadba